Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
Alnor Swinging Vane Anemometer Models: 6000P	Alnor 7555 N. Linden Ave. Skokie, IL 60097 312-677-3500	Recommendation Reference: Not required Operation Manual Manual Date: 11/77 6270 Page: 13	None Calibration only after damage.	If needed due to damage: RCD IC wind tunnel or Offsite vendor
Arizona- Jerome Mercury Vapor Analyzer Model: Jerome 431-X	Arizona Instrument 4114 East Wood Street Phoenix, AZ 85040-1941 (602) 470-1414 (800) 235-3360 FAX: (602) 470-1888	Recommendation Reference: Annually Operation Manual Manual Date: July, 1996 Page: 12	Annual	Offsite Vendor
Bios Defender 500 Model 717-510M	Bios International Corp. 230 W. Parkway Unit 1 Pompton Plains, NJ 07444 800-663-4977	Recommendation Reference: Annually Operation Manual Manual Date: July, 1996 Page: 12	Annual	Offsite Vendor
Bios Dry Cal Calibrator Model: BIOS DC-1	Bios International Corp. 230 W. Parkway Unit 1 Pompton Plains, NJ 07444 800-663-4977	Recommendation Reference: No recalibration required Operation Manual Manual Date: 2/5/97 Page: section 2.0	None	IHG with Soap Film Flow Meter multipoint calibration or Off-site Vendor
Bios Dry Cal Calibrator Model: BIOS DC-2	Bios International Corp. 230 W. Parkway Unit 1 Pompton Plains, NJ 07444 800-663-4977	Recommendation Reference: No recalibration required Operation Manual Manual Date: Page: section	None	IHG with Soap Film Flow Meter multipoint calibration or Off-site Vendor
B&K Precision Integrating Sound Level Meter Model: Type 2236	Bruel & Kjaer Instruments, Inc. 185 Forest Street Marlborough, MA 01752-3093 Phone: (508) 481-7737 FAX (508) 624-0503	Recommendation Reference: No Recommendation stated Operation Manual Manual Date: Oct., 1993 Page: 7-1	Functional but out-of-service. If needed, do not use until calibrated. Annual Prior to and after each use	IHG field calibrator multiple frequency calibration Flat weighted, off-site vendor if fails IHG field calibrator, single point at 1000 Hz A-weighted for SPL

IH51660 Attachment 9.2 BNL Instrument Calibration Frequency Policy Date: 05/14/07 (2)

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
	CAUTESS/I HOIC	Trequency Recommendation	Prior to and after each use	IHG field calibrator, single point at 62- 4000 Hz for OBA
B&K Calibrator	Bruel & Kjaer Instruments, Inc. 185 Forest Street Marlborough, MA 01752-3093 Phone: (508) 481-7737	Recommendation Reference: Annual as per ANSI S1.40	Functional but out-of-service. If needed, do not use until calibrated.	
Model: 4231	FAX (508) 624-0503	Operation Manual Manual Date: 1/94 Page: 3-4		
CAHN Micro Balance	Cahn 16207 S. Carmenita Rd. Cerritos, CA 90701 213-926-3378	Recommendation Reference: Each time power is lost Operation Manual Manual Date: no date Page:6	Functional but out-of-service. If needed, do not use until calibrated. Calibrate prior to use and Each time power is lost & Annual	IHG test with two Cahn calibration sources, if out of calibration so that it cannot be electronically set, vendor service call will be made.
Casella	Casella CEL	Recommendation Reference:	Annual	Off-site Vendor
Digital Impulse Sound	Tech Park, 17 Old Nashua	Use CEL-282 before and after	Prior to and after each use	IHG field calibrator,
Level Meter	Road,	use.		single point
Level Wieter	Box 15	Recommended that the		
Model: CEL-254	Amherst NH 03031 (800) 366-2966	calibration be verified at least annually.		
		Operation Manual Manual Date: 060064, issue 8, Jan 02 Page: 2 & 3		
Casella	Casella CEL	Recommendation Reference:	Annual	Off-site Vendor
Acoustical Calibrator	Tech Park, 17 Old Nashua Road,	Recommend including calibrator in factory maintenance		
Model: CEL-282	Box 15 Amherst NH 03031	agreement to extend warranty.		
	(800) 366-2966	Operation Manual Manual Date: 060050, Issue 4; Aug 1999 Page: last page of tri-fold		
		instructions		
Ametek Chatillon®	Ametek TCI Division Chatillon Systems	Recommendation Reference: No recommendation stated	Every two years at the factory (Factory calibration may be	Ametek authorized distributor or Ametek
DFE Series Digital Force	8600 Somerset Drive Largo, FL 33773	Operation Manual Manual Date: NC002775	skipped it the meter is tested and found within a tolerance of +/-	only.
Gauge	(800) 527-9999	Issue 1 Dec 2004	1% on a two point verification in	

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
		Page: Section Calibrating, Pages 1-8	both compression and tension directions with NIST Traceable Class 5 or better weights)	
Dasibi Ozone- UV Photometric Ozone Analyzer	Dasibi Environmental Corp. 506 Paula Ave. Glendale, Calif. 91201	Recommendation Reference: No recommendation stated Operation Manual Manual Date: 1990	3 years	Factory or off-site vendor calibration, maintenance, and check of internal generation source lamp
Model: 1008-PC		Page: 6-1, 6-11	Annual	IHG multiple point calibration with internal ozone generation source
Extech Light Meter	Extech Instruments (781) 890-7440 www.extech.com	Recommendation Reference: None Operation Manual Manual Date: 8808-59-102 Page:	Out of service No OEL compliance use allowed without calibration	Off-site vendor
Extech Real Time Octave Band Analyzer	Extech Instruments (781) 890-7440 www.extech.com	Recommendation Reference: Recommended recalibration on an annual basis	Annual Prior to and after each use	Off-site Vendor IHG field calibrator, single point at 1000 Hz A-weighted for SPL
Model 407766		Operation Manual Manual Date: Ver 2.0 October 2001 Page: 4 of 4	Prior to and after each use	IHG field calibrator, single point at 62- 4000 Hz for OBA
Extech Acoustic Calibrator	Extech Instruments (781) 890-7440 www.extech.com	Recommendation Reference: Recommended recalibration on an annual basis	Annual	Off-site Vendor
Model 407766		Operation Manual Manual Date: Ver 2.0 October 2001 Page: 4 of 4		
FW Bell Hand-held Gauss/Tesla Meter	F.W. Bell 6120 Hanging Moss Road Orlando, FL 32807	Recommendation Reference: No Recommendation stated	Functional but out-of-service. If needed, do not use until calibrated.	Off-site vendor or IHG check to NIST
Model: Model 4048	Phone: (407) 678-6900	Operation Manual Manual Date: 881001 TD 360686 Page: entire manual reviewed	If used: Annual	standard source
GAST High Flow Pump	GAST	Recommendation Reference:	Prior to and after each use	BY IHG via - DryCal

Meter	Manufacturer	Manufacturer Calibration	BNL Calibration Frequency	BNL Calibration
	&Address/Phone	Frequency Recommendation	Policy	Mechanism
36.11		Operation Manual		- Dry Test meter
Model:		Manual Date:		
GAST	N. L	Page: Recommendation Reference:	<u> </u>	IHG field calibrator
GenRad	No longer manufacturer.		Annual	multiple frequency calibration
Octave Band Analyzer		none		Flat weighted, off-site vendor if fails
Model: GenRad 1982		Operation Manual	Prior to and after each use	IHG field calibrator,
		Manual Date: Page:		single point at 62- 4000 Hz for OBA
Holaday	Holaday Industries, Inc.	Recommendation Reference:	Annual	Off-site vendor
Clamp On Induced	14825 Martin Drive	Yearly		
Current Meter	Eden Prairie, Minnesota 55344			
Current Meter	Phone: (612) 934-4920	Operation Manual		
Model:	FAX: (612) 934-3604	Manual Date: 1/98		
HI-3702	Email: Sales@holadyinc.com	Page: 14		
111-3702				
Holaday	Holaday Industries, Inc.	Recommendation Reference:	Functional but out-of-service.	Off-site vendor
•	14825 Martin Drive	No Recommendation stated	If needed, do not use until	on site vender
VDT Radiation Survey	Eden Prairie, Minnesota 55344		calibrated.	
Meter	Phone: (612) 934-4920	Operation Manual		
	FAX: (612) 934-3604	Manual Date: 08/89	Annual Factory calibration is	
Model:	Email: Sales@holadyinc.com	Page:	required for OEL compliance	
HI-3600 VLF			monitoring	
HI-3600-02 ELF				
Holaday	Holaday Industries, Inc.	Recommendation Reference:	Annual	Off-site vendor
Magnetic Field	14825 Martin Drive	Annual		
Monitor/Dosimeter	Eden Prairie, Minnesota 55344	On and an Manual		
	Phone: (612) 934-4920	Operation Manual		
Model: HI-3550	FAX: (612) 934-3604	Manual Date: 11/93		
	Email: Sales@holadyinc.com	Pages: 10 & 11		
Holaday	Holaday Industries, Inc.	Recommendation Reference:	Annual	Off-site vendor
Microwave Oven Meter	14825 Martin Drive	12 months		
	Eden Prairie, Minnesota 55344			
Model: 1501	Phone: (612) 934-4920	Operation Manual		
	FAX: (612) 934-3604	Manual Date: 2/90		
	Email: Sales@holadyinc.com	Page: 9		
Holaday	Holaday Industries, Inc.	Recommendation Reference:	Annual	Off-site vendor

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
2 4 1 51 5 4	14825 Martin Drive		Policy	Wiechanism
3-Axis ELF Magnetic		Annual		
Field Meter	Eden Prairie, Minnesota 55344	On and an Manual		
	Phone: (612) 934-4920	Operation Manual		
Model: 3627	FAX: (612) 934-3604	Manual Date: 6/92		
	Email: Sales@holadyinc.com	Page: 20		
H-Nu		Recommendation Reference:	Out of Service	IHG via single point
Photo-ionization	HNu Systems Inc.	Frequency not specified	Meter to be held out-of-service as replacement for TVA-1000, will require	calibration with
Detector			calibration before use and then on 1 year	isobutylene standard
		Operation Manual	cycle	
Madal, DI 101		Manual Date: 1975		
Model: PI-101		Page: 19		
10.2 eV & 11.0 eV	T 1 T . 1 . T	D 1.7 D.C	N. 12 1.6	O.C
International Light	International Light, Inc.	Recommendation Reference:	No calibration required for	Off-site vendor
Visible Light Meter	17 Graf Road	No frequency	qualitative check use	
Radiometer/Photometer	Newburyport, MA 01950-4092	recommendation. Factory pre-sale	N OFF II	
	Phone: (508) 465-5923	Cal is by electronic means and manual implies that no re-calibration is needed.	No OEL compliance use without	
Model: IL1400A	FAX: (508) 462-0759	Operation Manual	annual calibration	
Woden. IE1400A		Manual Date: Rev. 920210		
		Page: 27		
International Light	International Light, Inc.	Recommendation Reference:	Functional but out-of-service.	Off-site vendor
International Light	17 Graf Road	Recommendation Reference.	If needed, do not use until	Off-site vendor
UV Actinic Radiometer	Newburyport, MA 01950-4092	Operation Manual	calibrated.	
	Phone: (508) 465-5923	Manual Date:	candrated.	
Model: IL 530	FAX: (508) 462-0759			
	FAA. (308) 402-0739	Page:	No OEL compliance use allowed	
			without calibration	
T.441T.1.14	International Light, Inc.	Recommendation Reference:	Functional but out-of-service.	Off-site vendor
International Light	17 Graf Road	Recommendation Reference:		Off-site vendor
Research Radiometer		On austion Manual	If needed, do not use until	
	Newburyport, MA 01950-4092	Operation Manual	calibrated.	
Model: IL 700A	Phone: (508) 465-5923	Manual Date:	N. OEL	
	FAX: (508) 462-0759	Page:	No OEL compliance use allowed without calibration	
36 . 33	CMWA	December 1-Com Defense		Off city and the
Metrolab	GMW Associates	Recommendation Reference:	Annual	Off-site vendor
THM 7025 Magnetic	PO Box 2578	Annual		
Field Meter	Redwood City, CA 94064	On and an Manage		
	651-802-8292	Operation Manual- none		
	www.gmw.com	Calibration Certificate dated		
		4/17/01		
Mettler Toledo Balance	Mettler Toledo, Inc.	Recommendation Reference:	Annual	IHG test with internal
AG245	PO Box 71	Internal weight test. Do at start		weight, if it cannot be
	Hightstown, NJ 08520-0071	up and after every location		electronically set, vendor

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
	609-448-3000	change and at regular interval (not specified) Operation Manual Manual Date: 1995 Page:13		service call will be made.
Mettler Toledo Balance PB3002	Mettler Toledo, Inc. PO Box 71 Hightstown, NJ 08520-0071 609-448-3000	Recommendation Reference: Internal weight test. Do at start up and after every location change and at regular interval (not specified) Operation Manual Manual Date: no date Page: 8	Annual	IHG test with internal weight, if it cannot be electronically set, vendor service call will be made.
MIE	MIE/GCA/Environmental	Recommendation Reference:	No use for OEL compliance is	Off-site vendor
FAM Fibrous Aerosol	Instruments 213 Burlington Road	500 hrs or 1 year	permitted. No source of calibration is available.	
Monitor	Bedford, MA 01730	Operation Manual		
Model: FAM-1	Phone: (617) 275-5444	Manual Date: 8/88 Page: 25	Annual	
MIE	MIE/GCA/Environmental	Recommendation Reference:	Functional but out-of-service.	Off-site vendor
RAM Real-Time Aerosol	Instruments	No Recommendation stated	If needed, do not use until	
Monitor	213 Burlington Road Bedford, MA 01730	Operation Manual	calibrated.	
M. I.I. DAM 1	Phone: (617) 275-5444	Manual Date: 9/79		
Model: RAM-1		Page:	Annual	
MIE	MIE/GCA/Environmental Instruments	Recommendation Reference: No Recommendation stated	Functional but out-of-service. If needed, do not use until	Off-site vendor or BNL use of a Reference
Mini-RAM Aerosol	213 Burlington Road	No Recommendation stated	calibrated.	Scatterer (MIE model
Monitor	Bedford, MA 01730	Operation Manual		PDM-RS)
Model: PDM-3	Phone: (617) 275-5444	Manual Date: March 1990	Prior to use for OEL	
Wodel. 1 DW-5		Sections 1.4, 8.0, 12.0	compliance measurements, meter must have a zero offset	
			is less than 3 mg/m ³ . If not	
			factory calibration or PDM-RS	
			calibration is required.	
Narda	Narda 435 Moreland Road	Recommendation Reference: No recommendation stated	Functional but out-of-service. If needed, do not use until	Out of Service
Broadband Isotropic	Hauppauge, NY 11778	140 recommendation stated	calibrated.	
Radiation Monitor	Phone (631) 231-2700	Operation Manual	Out of Service- Meter to be held	
Model: 9206b/9616	FAX: (631) 231-1711	Manual Date: 11/76	out-of-service as replacement for Narda	
Model: 8306b/ 8616	Email: nardaeast@L-	Pages: 4: 6-14	8718B, will require calibration before	

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
	3com.com	Narda Calibration Service User's Guide 12 months	use and then on 2 year cycle	
Narda Microwave Oven Survey Meter Model: 8110	Narda 435 Moreland Road Hauppauge, NY 11778 Phone (631) 231-2700 FAX: (631) 231-1711 Email: nardaeast@L- 3com.com	Recommendation Reference: No recommendation stated Operation Manual Manual Date: 7/70 Pages: Narda Calibration Service User's Guide 12 months	Functional but out-of-service. If needed, do not use until calibrated. Out of Service- Meter held out-of-service as replacement for Holaday 1501, will require calibration before use and then on 2 year cycle	Out of Service
Narda Electromagnetic Radiation Survey Meter (yellow case) Model: 8718B	Narda 435 Moreland Road Hauppauge, NY 11778 Phone (631) 231-2700 FAX: (631) 231-1711 Email: nardaeast@L- 3com.com	Recommendation Reference: Every 2 years Operation Manual Manual Date: 2/2000 Pages: 129	2 year	Off-site vendor
Niton XRF Spectrum Analyzer Model: 300 & 700 Series	NITON Service 610 Ten Rod Road North Kingstown, RI 02852 Voice: (401) 294-1234 FAX: (401) 295-2090 Email: support@niton.com	Recommendation Reference: Every 24 months Operation Manual Manual Date: 1998 Page: Page 1-12	2 year or each source change which is less Prior to and after each use	Off-site vendor or manufacturer IHG check of field reference standards
Nucon Aerosol Detector Model: Model F	Nuclear Consulting Services, Inc. 7000 Huntley Road Columbus, Ohio 43229-1035 Phone: (614) 846-5710 FAX: (614) 431-0858	Recommendation Reference: Field Calibration Checks for Normal Use Operation Manual Manual Date: 11/90 Rev. 1 Page: 5	Annual	Off-site vendor
Photovac Voyager Gas Chromatograph Model: Voyager	PE Photovac 761 Main avenue Norwalk CT 06859 203-761-5330	Recommendation Reference: Start of each day and at 8 hours using calibration gas standard Operation Manual Manual Date: 12/97 Page: 59 & 9	Qualitative analysis use only (non OEL) – prior to each use Quantitative Analysis for OEL compliance- Annual	IHG bump test with any detectable chemical IHG via single point calibration with cylinder standard
Protimeter	GE Protimeter PLC	Recommendation Reference:	Before each use	IH group

Meter	Manufacturer	Manufacturer Calibration	BNL Calibration Frequency	BNL Calibration
	&Address/Phone	Frequency Recommendation	Policy	Mechanism
Moisture Indicator	Meter House	Calibrate with the "Protimeter		
	Marlow	Check" test device before each		
Model: SurveyMaster SM	Bucks SL7 1LW England (800) 321-4878	use.		
	www.protimeter.com	Operation Manual Manual Date: May 2002 Page: 10		
Questemp 15	Quest Technologies	Recommendation Reference:	Annual	Off-site
•	510 Worthington Street	No Recommendation stated		or
Model: Area Heat Stress	Oconomowoc, WI 53066			IHG via water
Monitor	Phone: (414) 567-9157	Operation Manual		temperature bath and
	Phone: (800) 245-0779	Manual Date: 11/97 Rev. C		NIST thermometer for
	FAX (414) 567-4047	Page: 34		multiple point calibration
Questemp 34	Quest Technologies	Recommendation Reference:	Annual	Off-site
•	510 Worthington Street	No Recommendation stated		or
Model: Area Heat Stress	Oconomowoc, WI 53066			IHG via water
Monitor	Phone: (414) 567-9157	Operation Manual		temperature bath and
	Phone: (800) 245-0779	Manual Date: 05/20057 Rev.		NIST thermometer for
	FAX (414) 567-4047	B		multiple point calibration
		Page: 34		
Questemp II	Quest Technologies	Recommendation Reference:	Annual	Off-site
	510 Worthington Street	Cal Probe for ear/environment		or
Model:	Oconomowoc, WI 53066	differential (internal electronic		IHG via water
Personal Heat Stress	Phone: (414) 567-9157	equilibrate) before and after		temperature bath and
Dosimeter	Phone: (800) 245-0779	each use.		NIST thermometer for
	FAX (414) 567-4047		7.0	multiple point calibration
		Operation Manual Manual Date: 7/94 Rev. C	Before and After each use	Internal electronic
				equilibrate cycle in meter
0 1	Quest Electronics	Page: 11 Recommendation Reference:	Functional but out-of-service.	operation Off-site maintenance
Quest				check and calibration
Noise Dosimeter	510 Worthington Street Oconomowoc, WI 53066	Yearly- factory check out Prior to use with Calibrator	If needed, do not use until calibrated.	check and cambration
	Phone: (414) 567-9157	Prior to use with Calibrator	Annual	
Model:	Phone: (414) 367-9137 Phone: (800) 245-0779	Operation Manual	Prior to each use	IHG field calibrator,
Quest Q-300 Noise Dosimeter	FAX (414) 567-4047	Operation Manual Manual Date: 2/2000 rev. H	Prior to each use	single point at 1000 Hz,
	1AX (414) 307-4047	Page: 5		A-weighted
Quest	Quest Electronics	Recommendation Reference:	Annual	Off-site
Quest	510 Worthington Street	Not stated	Amiuai	O11-SILC
Acoustic Calibrator	Oconomowoc, WI 53066	110t Stated		
	Phone: (414) 567-9157	Operation Manual		
Model: QC-10/QC-20	Phone: (800) 245-0779	Manual Date: 2/2000 rev. H		
	1 Holic. (000) 243-0113	Manual Date. 2/2000 ICV. 11	1	

Meter	Manufacturer	Manufacturer Calibration	BNL Calibration Frequency	BNL Calibration
	&Address/Phone	Frequency Recommendation	Policy	Mechanism
	FAX (414) 567-4047	Page: 4-5		
Quest	Quest Electronics	Recommendation Reference:	Annual	Off-site maintenance
Noise Dosimeter	510 Worthington Street	Return periodically to factory		check and calibration
	Oconomowoc, WI 53066	for recalibration- recoomends	Prior to and after each use	IHG field calibrator,
Model:	Phone: (414) 567-9157	annual		single point at 1000 Hz
Quest NoisePro DLX	Phone: (800) 245-0779	Prior and after use with		A-weighted for SPL
Q	FAX (414) 567-4047	Calibrator		
		Operation Manual		
		Manual Date: 01/23/04 rev C		
		Page: 10, 15, 17, 75		
Quest	Quest Electronics	Recommendation Reference:	Annual	Off-site maintenance
2100 Sound Level Meter	510 Worthington Street	Prior to use with Calibrator		check and calibration
Model: 2100	Oconomowoc, WI 53066		Prior to and after each use	IHG field calibrator,
Wodel. 2100	Phone: (414) 567-9157	Operation Manual		single point at 1000 Hz
	Phone: (800) 245-0779	Manual Date: 2000 Rev A		A-weighted for SPL
	FAX (414) 567-4047	Page: 7		
Scott	Tyco: Scott Technologies Inc.	Recommendation Reference:	Annual (minimum), target	IHG single point
Scout	Scott Instruments	As per user set intervals	goal is Quarterly	calibration with standard
Multi-Gas Personal	251 Welsh Pool road	Before each use, test sensors		gas for each sensor
	Exton PA 19341	using a known concentration of	Before each use	IHG bump check with gas
Monitor		calibration gas to verify within		for each sensor to be
	610-363-5450	10% of actual gas concentration.		measured in field.
		Operation Manual #087-0019		
		Manual Date: March 2003		
		Pages: 23 - 26		
Singer	American	Recommendation Reference:	Functional but out-of-service.	IHG with Soap Film Flow
Dry Test Meter			If needed, do not use until	Meter multipoint
==5 ===================================		Operation Manual	calibrated.	calibration
Model:		Manual Date:	Prior to use if over one year	or
Modeli		Page:	from calibration	Off-site Vendor
SKC Low Flow Pump	SKC	Recommendation Reference:	Prior to and after each use	BY IHG via
				- DryCal
Model:		Operation Manual		- Soap Film Flow Meter
SKC 222-3		Manual Date:		
		Page:		

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
SKC High Flow Pump Model: SKC 224-43XR SKC 224-44XR	GAST	Recommendation Reference: Operation Manual Manual Date: Page:	Prior to and after each use	BY IHG via - DryCal - Soap Film Flow Meter - Singer Dry Test Meter
Thermo Sapphire Infrared Analyzer	Thermo Environmental Instruments 8 West Forge Parkway	Recommendation Reference: Factory Calibration on initial shipment, user performed calibration built internal into	Qualitative analysis use only (non OEL) – prior to each use	IHG bump test with any chemical in instrument inventory
Model: Miran 205B	Franklin MA 02038	meter. Page 99 provides method for user calibration. Additional info MI-611-035	Quantitative Analysis for OEL compliance- Annual	IHG calibration for compound of interest using closed loop
		Operation Manual Manual Date: 3/99 Page: 48 and 99	3 year cycle	Send to Offsite Vendor for maintenance and calibration with single gas
Thermo TVA-1000	Thermo Environmental Instruments	Recommendation Reference: Beginning of each workday w/ calibration gas	Qualitative analysis use only (non OEL) – prior to each use	IHG bump test with chemical(s) in question
PID/FID Analyzer (Foxboro) Model: TVA-1000	8 West Forge Parkway Franklin MA 02038		Quantitative Analysis for OEL compliance- Each day of use	IHG calibration for compound of interest using cal gas standard or closed loop
			3 year cycle	Send to Offsite Vendor for maintenance and calibration with single gas
TSI Q-track IAQ monitor	TSI Incorporated ATT: Customer Service 500 Cardigan Road Shoreview, MN 55126 Phone: (612) 483-4711 (800) 876-9874 FAX: (612) 490-2874	Recommendation Reference: Annually Operation Manual Manual Date: Feb 2001 Page: 35	Annual	Factory or off-site vendor calibration, maintenance, and check of internal generation source lamp
TSI Condensation Particle Counter Model:3007	TSI Incorporated ATT: Customer Service 500 Cardigan Road Shoreview, MN 55126 Phone: (612) 483-4711 (800) 876-9874 FAX: (612) 490-2874	Recommendation Reference: Annual Cleaning and Calibration at factory Operation Manual Manual Date: Feb 2004 1930035 RevD	Annual	At TSI factory authorized location

Meter	Manufacturer &Address/Phone	Manufacturer Calibration Frequency Recommendation	BNL Calibration Frequency Policy	BNL Calibration Mechanism
		Page: 25		
TSI VelociCalc Air Velocity Meters Models: 8355/8357 and 8360	TSI Incorporated ATT: Customer Service 500 Cardigan Road Shoreview, MN 55126 Phone: (612) 483-4711 (800) 876-9874 FAX: (612) 490-2874	Recommendation Reference: Annual Operation Manual Manual Date: 2/92 Page: 32	Annual	RCD IC wind tunnel or Offsite vendor
Walker Static Magnetic Field Meter Model: FGM-3D1	Quality Assurance Product Group Rockdale Street Worcester, MA 01606 Phone: (508) 852-3674 FAX: (508) 856-9931	Recommendation Reference: No Recommendation stated Operation Manual Manual Date: no date Page: 21	Functional but out-of-service. If needed, do not use until calibrated. None- no OEL compliance use allowed without calibration	Meter NOT to be used for OEL compliance monitoring (meter range is too sensitive for use without cancellation of earth's magnetic field, source must removed or shut off to zero meter)

Date: 05/14/07 (11)